

85957

Synthesis of Hydrocarbons of the Indan Series S/020/60/134/005/C34/035XX
With Side Chains in the Five-membered and the B016/B054
Benzene Ring

densities and refractive indices were different. They are further investigated by the authors. C) 5-decyl indan was produced by alkylation of indan with decene in the presence of 92% H_2SO_4 (2 : 1 : 2). The amount of the fraction of resulting hydrocarbon, isolated after double distillation (boiling point 160-161°C at 4 mm Hg), corresponded to a yield of 76% decyl indan, calculated for decene. The authors consider position 5 of the side chain to be most probable (Ref. 7). D) 1-isopropyl-5-tert.-butyl indan and 1-isopropyl-5,7-di-tert.-butyl indan. Similar to C, D was produced by alkylation of B with isobutylene in the presence of 92% H_2SO_4 . The final yield was 35%, calculated for isobutylene. The tertiary butyl group is supposed to take position 5 in indan (Ref. 7). In the authors' opinion, also a small amount of trialkyl indan is formed in this case. To obtain comparative data on the sulfurizability of the hydrocarbons mentioned, they were treated with 98% H_2SO_4 . A-C were fully sulfurized by 1 volume of H_2SO_4 within 1 h. D was sulfurized at 20% by 2 volumes of 100% H_2SO_4 within 30 min. As was expected, E proved to be

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Synthesis of Hydrocarbons of the Indan Series S/020/60/134/005/034/C35XX
With Side Chains in the Five-membered and the Benzene Ring B016/B054

most resistant. Its volume remained unchanged after 30 minutes of treatment with 3 volumes of 100% H_2SO_4 . There are 1 table and 7 references: 3

Soviet, 2 German, and 1 Swiss.

ASSOCIATION: Institut neftekhimicheskogo sinteza Akademii nauk SSSR
(Institute of Petrochemical Synthesis of the Academy of
Sciences USSR)

PRESENTED: June 3, 1960, by A. V. Topchiyev, Academician

SUBMITTED: June 3, 1960

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TOPCHIEV, A.V.; TSYTOVICH, N.E.; FOKROVSKAYA, Ye.S.

Synthesis and properties of indan hydrocarbons. *Neftekhimiia* 1
no.1:15-22 Ja-F '61. (MIRA 15:2)

1. Institut neftekhimicheskogo sinteza AN SSSR.
(Hydrocarbons--Analysis) (Indan)

S/048/62/026/010/007/013
B117/B186

AUTHORS: Kusakov, M. M., Pokrovskaya, Ye. S., Shishkina, M. V.,
Shimanko, N. A., and Prokof'yeva, Ye. A.

TITLE: Structural analysis of monocyclic hydrocarbons on the basis
of absorption spectra

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya,
v. 26, no. 10, 1962, 1257-1260

TEXT: Infrared and ultraviolet absorption spectra of newly synthesized
benzene derivatives with alkyl substituents ($C_3 - C_{16}$) of different
structures, including derivatives with penta- and hexacyclic rings, were
examined. In order to follow and establish the course of the synthesis
more precisely an attempt was made to determine the number and position of
the substituting groups and to check the known characteristics of benzene
derivatives showing different degrees of substitution. The conditions of
synthesis and the physicochemical properties of the compounds under
examination have already been described (G. D. Gal'pern, M. M. Kusakov,
Ye. S. Pokrovskaya, N. A. Shimanko, Tr. In-ta nefi AN SSSR, 12, 38

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S/048/62/026/010/007/013
B117/B186

Structural analysis of monocyclic ...

(1958); Ye. S. Pokrovskaya, M. V. Shishkina, Dokl. AN SSSR, 125, 1269 (1959); Ye. S. Pokrovskaya, Uch. zap. MGU, Khimiya, 71 (1941); Tr. In-ta nefti AN SSSR, 13, 29 (1959); Ye. S. Pokrovskaya, N. A. Shimanko, Dokl. AN SSSR, 123, 109 (1958); N. A. Shimanko, Ye. S. Pokrovskaya, V. I. Sidorenko, Neftekhimiya, 1, no. 3, 297 (1961)). Conclusions: Cyclohexyl benzene, dicyclohexyl benzene, and dicyclopentyl benzene were found to be 1,4-substituted benzenes. Trisubstituted benzenes are substituted in 1,2,4-, 1,2,3-, and 1,3,5-position, these being: cetyl orthoxylene (1,2,4-); cyclopentyl orthoxylene (1,2,4-, 1,2,3-); decyl metaxylene, cyclohexyl metaxylene (1,2,3-, 1,2,4-, 1,3,5-); paraxylene derivatives (1,2,4-). The weak bands of the 1,2,3- and 1,3,5-substitutions, as observed in a few spectra of paraxylene derivatives, can be ascribed to the migration of one of the methyl groups. Tetrasubstituted benzenes (paraxylene and mesitylene derivatives) are substituted not only in 1,2,4,5-position but also in 1,2,3,4- and 1,2,3,5-position, which also indicates the migration of one of the methyl groups. The 1,2,3,4- and 1,2,3,5-isomers could not be differentiated in the ultraviolet spectra. Pentasubstituted benzene and pentamethyl benzene have similar spectra which display bands characteristic of aplanar deformation vibrations of the C-H bond. There are 3 figures.

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Structural analysis of monocyclic ...

S/048/62/026/010/007/013
B117/B186

ASSOCIATION: Institut neftekhimicheskogo sinteza Akademii nauk SSSR
(Institute of Petrochemical Synthesis of the Academy of
Sciences USSR)

Card 3/3

ZAYTSEV, A.A.; POKROVSKAYA, Ye.V.; BELIKOV, M.N.

Duration of preservation and localization of the tularemia agent
in the organism of experimentally infected sheep. Veterinariia 42
no.7:26-27 J1 '65. (MIRA 18:9)

1. Stavropol'skaya krayevaya sanitarno-epidemiologicheskaya
stantsiya (for Zaytsev, Pokrovskaya). 2. Stavropol'skiy
sel'skokhozyaystvennyy institut (for Belikov).

PAVLOV, B.P.; PORROVSKAYA, Ye.V.

Detection of *Francisella tularensis* in a lymph node 2 years and 3 months after recovering from tularemia. Zhur. mikro-biol., epid. i immu. 42 no.8:72-74 Aug '65. (MIRA 18:9)

1. Tsentral'nyy institut usovershenstvovaniya vrachev, Stavropol'skaya 2-ya gorodskaya infektsionnaya bol'nitsa i Stavropol'skaya krayevaya sanitarno-epidemiologicheskaya stantsiya.

POKROVSKAYA, YE. V.

Jun 53

USSR/Medicine - Tularemia

"The Action of Chloramine on Tularemia Microorganisms," Ye. V. Pokrovskaya,
Pyatigorsk Kray Antitularemia Sta (Stavropol' Kray Antitularemia Sta at Pyatigorsk?)
Zhur Mikro, Epid, i Immun, No 6, pp 44-46

Same objects and materials used or waste materials in tularemia labs cannot be adequately disinfected with a 2% chloramine soln: a 5% soln must be used. Tests establishing this were carried out with monochloramine contg 33.5% of active chlorine.

267T18

POKROVSKAYA, Yelena Vladimirovna; DELEUR, G.A., redaktor; LYUBOVSKIY, A.,
redaktor; ZELENIKOVA, Ye., tekhnicheskiy redaktor

[Planning, building and laying out machine-tractor stations]
Planirovka, zastroyka i blagoustroystvo mashinno-traktornykh stantsii.
Pod obshchei red. G.A.Deleura, Kiev, Gos. izd-vo lit-ry po stroit. i
arkhitekture USSR, 1956. 284 p. (MLRA 9:8)
(Machine-tractor stations)

POKROVSKAYA, Ye.V.; ZAITSEV, A.A.

Cultural and biochemical characteristics of *Pasteurella tularensis*.
Zhur. mikrobiol. epid. i immun. 27 no.2:19-24 F '56 (MLRA 9:5)

1. Iz Pyatigorskoy krayevoy protivotulyaremiynoy stantsii.
(*PASTEURELLA TULARENSIS*
culture & biochem. aspects)

ZAYTSEV, A.A.; POKROVSKAYA, Ye.V.

Spreading of Q fever in Stavropol' Territory preliminary report.
Zhur.mikrobiol.epid. i immun. 27 no.7:15-16 Jy '56. (MLRA 9:9)

1. Iz Stavropol'skoy krayevoy sanitarno-epidemiologicheskoy stantsii.
(Q FEVER, epidemiol.
in Russia)

**KRUGLIKOV, V.M.; SHAL'NEVA, A.M.; GUZACHEVA, V.Ya.; ZAYTSEV, A.A.; POKROV-
SKAYA, Ye.V.**

Sources of leptospirosis in nature; data on Stavropol' Territory.
Zhur.mikrobiol.epid. i immun. 27 no.11:60-64 N '56. (MLHA 10:1)

1. Iz Stavropol'skogo instituta vaktsin i syvorotok i Krayevoy
protivotulyaremiynoy stantsii.

(LEPTOSPIROSIS, epidemiology,
animal as source of infect. (Rus))

ZAYTSEV, A.A.; POKROVSKAYA, Ye.V.

Problem of leptospirosis in Stavropol Territory. Zhur.mikrobiol.
epid. i immun. 30 no.3:59-61 Mr '59. (MIRA 12:5)

1. Iz Stavropol'skoy krayevoy sanitarno-epidemiologicheskoy
stantsii.

(LEPTOSPIROSIS, epidemiol.
in Russia (Rus))

ZAYTSEV, A.A.; POPOVA, Ye.V.; POKROVSKAYA, Ye.V.

Determination of spontaneous carrier state of tularemia pathogen
in the tick *Hirshionyssus musculi* Johnston. Zhur.mikrobiol., epid
i immun. 42 no.4:25-27 Ap '65. (MIRA 18:5)

1. Stavropol'skaya krayevaya sanitarno-epidemiologicheskaya stantsiya.

SHAFERSHTEYN, D.L.; FEKTISTOV, A.Z.; POKROVSKAYA, Ye.V.; LIKHONOS, A.N.

Epidemiological significance of the migration of *Br. melitensis* to cattle (according to data from the Stavropol Territory). Zhur. mikrobiol. epid. i immun. 32 no.6:59-61 Je '61. (MIRA 15:5)

1. Iz Stavropol'skoy krayevoy sanitarno-epidemiologicheskoy stantsii.
(STAVROPOL TERRITORY--BRUCELLOSIS IN CATTLE)

MIKHAYLOVA, R.S.; POKROVSKAYA, Ye.V.; GUSEV, V.M.

Possible role of some wild birds in the epizootiology of leptospirosis. Zool. zhur. 40 no.11:1738-1740 N '61. (MIRA 14:11)

1. Research Anti-Plague Institute of the Caucasus and Transcaucasia, Stavropol and Stavropol Territorial Sanitary-Epidemiological Station. (Caucasus, Northern--Leptospirosis) (Birds as carriers of disease)

L 58852-65 EWA(b)-2/EWA(j)/EWT(1) JK

ACCESSION NR: AP5011273

UR/0016/65/000/004/0025/0027

AUTHOR: Zaytsev, A. A.; Popova, Ye. V.; Pokrovskaya, Ye. V.

TITLE: Determination of Hirstionyssus musculi Johnston ticks as natural carriers of tularemia causative agents

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 4, 1965, 25-27

TOPIC TAGS: tularemia, tick, vector, Stavropolsk kray, Hirstionyssus musculi Johnston, Microtus arvalis

ABSTRACT: H. musculi Johnston ticks are widespread throughout Stavropolsk kray and are most commonly found in domestic, forest, and field mice. Tularemia causative agents were isolated by injecting white mice with a 0.5 ml suspension of gamasides of H. musculi Johnston ticks collected from a burrow of Microtus arvalis remains. Basic properties of the isolated culture were the same as those of F. tularensis (strain no. 192). On the basis of the Microtus arvalis remains and local meteorological data, it is estimated that the approximate period the causative agent is preserved in these ticks

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L 58852-65

ACCESSION NR: AP5011273

under natural conditions is 6 mos or more. Investigation of the H. musculi Johnston indicates that they probably play a certain role in supporting natural foci of tularemia and activating epizootiological processes in these foci. Biological characteristics of the H. musculi Johnston require further study. Orig. art. has: None.

ASSOCIATION: Stavropol'skaya krayevaya sanitarno-epidemiologicheskaya stantsiya (Stavropol'sk Kray Sanitation-Epidemiological Station)

SUBMITTED: 22Jun64

ENCL: 00

SUB CODE: LS

NR REF SOV: 002

OTHER: 000

Card 2/2

L 63390-65 EWT(1)/EWA(j)/EWA(b)-2 JK

ACCESSION NR: AP5020095

UR/0016/65/000/008/0072/0074
616.981.455-008.97-039.8

AUTHOR: Pavlov, B. P.; Pokrovskaya, Ye. V.

TITLE: Discovery of *P. tularensis* in the lymphatic node of man two years and three months after contracting the disease

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 8, 1965, 72-74

TOPIC TAGS: Pasteurella tularensis, tularemia

ABSTRACT: The authors describe the case history of a 53 year old man from whose right axillary lymph node a tularemia culture was isolated more than 2 years after he contracted the disease. The lymph node was at the site of an old tularemia bubo which had not become resorbed. The authors ascribed the prolonged viability of the causative agent to the fact that the patient was not treated with antibiotics during the acute phase of the disease (he did not receive streptomycin until he was hospitalized, 43 days after he first felt sick).

ASSOCIATION: Tsentral'nyy institut usovershenstvovaniya vrachey (Central Institute

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L 63390-65

ACCESSION NR: AP5020095

of Postgraduate Medicine); Stravropol'skaya 2-ya gorodskaya infektsionnaya
bol'nitsa (Second Stavropol City Hospital for Infectious Diseases); Krayevana
sanitarno-epidemiologicheskaya stantsiya (Regional Sanitary-Epidemiological
Station)

SUBMITTED: 13Oct64

ENCL: 00

SUB CODE: LS

NO REF SOV: 010

OTHER: 005

Card

2/2

L 24700-66 EWT(1)/T JK

ACC NR: AP6015821

(A, N)

SOURCE CODE: UR/0346/65/000/007/0026/0027

AUTHOR: Zaytsev, A. A.; Pokrovskaya, Ye. V.; Belikov, M. N.

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ORG: [Zaytsev, Pokrovskaya] Stavropol' Area Sanitary-Epidemiological Station
(Stavropol'skaya krayevaya sanitarno-epidemiologicheskaya stantsiya); [Belikov]
Stavropol' Agricultural Institute (Stavropol'skiy sel'skokhozyaystvennyy institut)

B

TITLE: Length of persistence and localization of the tularemia pathogen in the
organism of experimentally infected sheep

6

SOURCE: Veterinariya, no. 7, 1965, 26-27

TOPIC TAGS: tularemia, commercial animal, animal disease, epidemiology, human ailment

ABSTRACT: The experiments were performed on sheep (28 Soviet Merino lambs 8-10 months old, and 6 Caucasian lambs 4 months old). The lambs were subcutaneously infected with virulent strain No 713 (minimum LD of this strain for white mice and guinea pigs - 1 microbial cell (MC)) in doses of from 1 to 1,000,000,000 MC. Anatomic-pathological dissection of the lambs during the period of acute course of the disease revealed the presence of the pathogen in their parenchymatous organs, which points out the epidemiological danger of slaughtering the animals at that period. In the 8-10 month-old lambs the tularemia pathogen was isolated from the skin at the site of culture injection, whereas in the 4-month-old lambs it was isolated only from the lymph nodes. Isolation of the pathogen from the lymph nodes of the lambs with tularemia on the 18th and 50th days after the date of infection (period of observation) involves the potential danger of infection to humans during

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UDC: 619.616.981.455-092:636.3

2

L 24700-66

ACC NR: AP6015821

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during slaughter and dressing of sheep with tularemia. The absence of clinical symptoms of the disease the lambs infected with a dose of 100 MC, and the isolation of the pathogen from the skin at the site of injection of the culture (femoral area) points to the possibility of infection of humans during the dressing of skeepskins originating from natural foci of tularemia. Inoculation of sheep with the tularemia pathogen in this dose by meadow ticks is quite possible. The negative results of the investigation of the urine of a lamb that died of tularemia on the 9th day following infection with 10 billion MC, as well as of the investigation of the gall bladders of five lambs killed during the period of the acute course of the disease, and also the fact that the control animals placed in contact with the sick animals remained uninfected, give reason to believe that sick lambs do not eliminate the tularemia pathogen through their urine. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06, 02 / SUBM DATE: none

Card

2/2 M95

BEKTUROV, A.B.; POKROVSKAYA, Yu.A.; KALMYKOV, S.I.

Effect of various impurities on the extent of the decomposition of
phosphorites. Izv. AN Kazakh. SSR Ser. khim. no. 2:21-28 '60.
(MIRA 14:5)

(Phosphorites)

POKROVSKAYA, Z. I.

"Methods of Raising the Fry of Caspian (Kura) Salmon in Fish Breeding Establishments." Moscow Technical Inst of Fish Industry and Pisciculture imeni A. I. Mikoyan, Moscow, 1955. (Dissertation for the Degree of Candidate of Biological Sciences)

SO: M-972, 20 Feb 56

GERASIMENKO, Aleksey Antonovich; SHAFOSHNIKOVA, Z.B., kand.
tekhn. nauk, otv. red.; POKROVSKAYA, Z.S., red.

[Sugar crystallization] Kristallizatsiia sakhara, Kiev,
Naukova dumka, 1965. 315 p. (MIRA 18:12)

YEREMENKO, V.N., otv. red.; FRANTSEVICH, I.N., red.; SAMSONOV, G.V., red.; PISARENKO, G.S., red.; FEDORCHENKO, I.M., red.; TRESVIATSKIY, S.G., red.; IVASHCHENKO, Yu.N., red.; POKROVSKAYA, Z.S., red.; RAKHLINA, N.P., tekhn. red.

[Surface phenomena in melts and in processes of powder metallurgy] Poverkhnostnye iavleniia v rasplavakh i protsessakh poroshkovoii metallurgii. Kiev, Izd-vo AN Ukr. SSR, 1963. 377 p. (MIRA 17:3)

1. Akademiya nauk URSR, Kiev. Instytut metalokeramiki i spetsial'nykh splaviv. 2. Institut metallokeramiki i spetsial'nykh splavov AN Ukr.SSR (for Yeremenko).

BRAUN, Mikhail Petrovich; VINOKUR , Bertol'd Bentsionovich;
CHERNOVOL, Arkadiy Vasil'yevich; CHERNYI, Viktor
Gavrilovich; ALEKSANDROV, Anatoliy Grigor'yevich;
KOSTYRKO, Oleg Stepanovich; ALEKSANDROVA, Natal'ya
Pavlovna; LYASHENKO, Lyudmila Aleksandrovna;
MATYUSHENKO, Nelli Ivanovna; FIKSEN, N.V., kand. tekhn.
nauk, otv. red.; POKROVSKAYA, Z.S., red.; DAKHNO, Yu.B.,
tekhn. red.

[Structural and heat-resistant alloys] Konstruktsionnye
i zharoprochnye splavy. Kiev, Izd-vo AN USSR, 1963. 149 p.
(MIRA 17:3)

1. Akademiya nauk URSR, Kiev. Instytut lyvarnoho vyrob-
nytstva.

KIPRIANOV, Andrey Ivanovich; POKROVSKAYA, Z.S., red.

[Introduction to the electron theory of organic compounds]
Vvedenie v elektronnuu teoriu organicheskikh soedinenii.
Kiev, Naukova dumka, 1965. 177 p. (MIRA 18:6)

GERASIMENKO, Aleksey Antonovich; ABRAMOVA, Mariya Aleksandrovna;
GOLOVIN, Pavel Vasil'yevich; SHAPOSHNIKOVA, Z.B., kand.
tekhn. nauk, otv. red.; POKROVSKAYA, Z.S., red.; DAKHNO,
Yu.B., tekhn. red.

[Ion exchange resins in the food industry] Ionnoobmennyye
smoly v pishchevoi promyshlennosti. Kiev, Izd-vo Akad. nauk
Ukrainskoi SSR. 1962. 271 p. (MIRA 16:7)
(Ion exchange resins) (Food industry)

KUZ'MENKO, Vasiliiy Aleksandrovich; PISARENKO, G.S., otv. red.;
POKROVSKAYA, Z.S., red.; RAKHLINA, N.P., tekhn. red.

[Sound and ultrasound vibrations in the dynamic testing of
materials] Zvukovye i ul'trazvukovye kolebaniia pri dinami-
cheskikh ispytaniakh materialov. Kiev, Izd-vo AN Ukr.SSR,
1963. 150 p. (MIRA 16:12)

1. Chlen-korrespondent AN Ukr.SSR (for Pisarenko).
(Ultrasonic testing)

BRAUN, Mikhail Petrovich; VINOKUR, Bertol'd Bentsionovich; CHERNYI, Viktor Gavrilovich; CHERNOVOL, Arkadiy Vasil'yevich; KOSTYRKO, Oleg Stepanovich; ALEKSANDROVA, Natal'ya Pavlovna; KRUKOVSKAYA, Galina Nikolayevna; TIKHONOVSKAYA, Larisa Dmitriyevna; LYASHENKO, Lyudmila Aleksandrovna; FIKSEN, N.V., kand. tekhn. nauk, otv. red.; ~~POKROVSKAYA, Z.S., red.~~; KADASHEVICH, O.A., tekhn. red.

[Alloys with addition elements] Legirovannye splavy. [By] M.P. Braun i dr. Kiev, Izd-vo AN Ukr.SSR, 1963. 142 p.

(MIRA 16:8)

(Alloys--Metallurgy)
(Foundries--Equipment and supplies)

ROYTER, Vladimir Andreyevich; KORNEYCHUK, Grigoriy Petrovich;
USHAKOVA, Viktorina Petrovna; STUKANOVSKAYA, Nina
Aleksandrovna; POKROVSKAYA, Z.S., red.; MATVEYCHUK, A.A.,
tekhn. red.

[Catalytic oxidation of naphthalene] Kataliticheskoe okislenie
naftalina. Kiev, Izd-vo Akad. nauk RSSR, 1963. 106 p.
(MIRA 16:5)

(Naphthalene) (Oxidation) (Vanadium catalysts)

BAKUMENKO, Tamara Timofeyevna; ROYTER, V.A., akademik, otv. red.;
POKROVSKAYA, Z.S., red.; KADASHEVICH, O.A., tekhn. red.

[Catalytic properties of rare and rare-earth elements]Kataliticheskie svoistva redkikh i redkozemel'nykh elementov. Kiev, Izd-vo Akad.nauk USSR, 1963. 99 p.
(MIRA 16:4)

1. Akademiya nauk UkrSSR (for Royter).
(Metals, Rare and minor) (Rare earths) (Catalysis)

BUDNIKOV, Petr Petrovich, akademik; OVCHARENKO, F.D., akademik, otv. red.; BEREZHNOY, A.S., red.; BUTT, Yu.M., prof., red.; MCHEDLOV-PETROSYAN, O.P., red.; AVGUSTINIK, A.I., prof.; BARZAKOVSKIY, V.P., doktor khim. nauk, red.; KUKOLEV, G.V., prof., red.; MATVEYEV, M.A., prof., red.; MCHEDLOV-PETROSYAN, O.P., prof., red.; ROYAK, S.M., prof., red.; POKROVSKAYA, Z.S., red.

[Chemistry and technology of silicates] Khimiia i tekhnologii silikatov. Kiev, Naukova dumka, 1964. 608 p.

(MIRA 17:12)

1. Akademiya nauk Ukr.SSR (for Ovcharenko). 2. Chlen-korrespondent Ukr.SSR (for Berezhnoy). 3. Chlen-korrespondent AN SSSR i deystvitel'nyy chlen Pol'skoy Akademii nauk , AN Ukr.SSR (for Budnikov).

SKARCHENKO, Vladimir Konstantinovich; VYSOTSKIY, Z.Z., otv. red.;
POKROVSKAYA, Z.S., red.; TURVANOV, N.A., tekhn. red.

[Aluminosilicate catalysts in the light of the modern
theory of heterogeneous catalytic processes] Aluminosili-
katnye katalizatory v svete sovremennoi teorii getero-
genno-kataliticheskikh protsessov. Kiev, Izd-vo Akad.
nauk USSR, 1963. 117 p. (MIRA 16:4)
(Aluminosilicates) (Catalysis)

GORODYSKIY, A.V., otv. red.; POKROVSKAYA, Z.S., red.

[Physical chemistry and electrochemistry of fused salts]
Fizicheskaya khimiya i elektrokimiya rasplavlennykh
solei. Kiev, Naukova dumka, 1965. 147 p.

(MIRA 18:9)

1. Akademiya nauk URSR, Kiev. Instytut zahal'noi ta
neorganichnoi khimii.

GOROSHCHENKO, Yakov Gavrilovich; SHEF, I.A., prof., doktor khim.
nauk, otv. red.; POKROVSKAYA, Z.S., red.

[Chemistry of niobium and tantalum] Khimiia niobiia i
tantala. Kiev, Naukova dumka, 1965. 482 p.
(MIRA 18:8)

AGAREV, Viktor Andreyevich [deceased]; PISARENKO, G.S., otv. red.;
POKROVSKAYA, Z.S., red.; TURBANOVA, N.A., tekhn. red.;
SPEKTROVA, T.R., tekhn. red.

[Method of initial functions for two-dimensional boundary
value problems in the theory of elasticity] Metod nachal'-
nykh funktsii dlia dvumernykh kraevykh zadach teorii up-
rugosti. Kiev, Izd-vo AN USSR, 1963. 200 p.

(MIRA 17:3)

1. Chlen-korrespondent AN Ukr.SSR (for Pisarenko).

KABAKCHI, Andrey Mikhaylovich; LAVRENTOVICH, Yaroslav Iosifovich;
PEN'KOVSKIY, Vladimir Vladimirovich; KONOZENKO, I.D.,
doktor tekhn. nauk, otv. red.; POKROVSKAYA, Z.S., red.;
TURBANOVA, N.A., tekhn. red.

[Chemical dosimetry of ionized radiations] Khimicheskaya
dozimetriya ioniziruyushchikh izlucheni. Kiev, Izd-vo
USSR, 1963. 155 p. (MIRA 17:1)

DELMARSKIY, Yuriy Konstantinovich [Delimars'kyi, IU.K.]; ZAYATS,
Anastasiya Ignat'yevna [Zaiets', A.I.]; SHCHEKA, I.A., doktor
khim.nauk, otv.red.; POKROVSKAYA, Z.S. [Pokrovs'ka, Z.S.],
red.isd-va; KUZ', V.P., tekhred.

[Development of electrochemistry in the Ukraine] Rozvytok
elektrokhimii na Ukraini. Kyiv, Vyd-vo Akad.nauk URSR, 1957.
46 p. (MIRA 12:5)

(Ukraine--Electrochemistry)

ROYTER, Vladimir Andreyevich; BRODSKIY, AI., akademik, otv. red.;
POKROVSKAYA, Z.S., red.; DAKHNC, Yu.B., tekhn. red.

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FEDORCHENKO, Ivan Mikhaylovich; ANDRIYEVSKIY, Rostislav Aleksandrovich;
BAL'SHIN, M.Yu., kand. tekhn.nauk, retsenzent; BOROK, B.A., kand.
tekhn.nauk, retsenzent; GEGUZIN, Ya.Ye., prof., doktor fiz.-mat.nauk,
retsenzent; SAMSONOV, G.V., prof., doktor tekhn.nauk, retsenzent;
POKROVSKAYA, Z.S., red.; KADASHEVICH, O.A., tekhn. red.

[Principles of powder metallurgy] Osnovy poroshkovo metallurgii.
Kiev, Izd-vo Akad.nauk USSR, 1961. 420 p. (MIRA 14:12)
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LIPNIK, Yelena Semenovna [Lypnyk, O.S.]; KAPTARENKO-CHERNOUSOVA, O.K.,
prof., doktor geol.-min.nauk, otv.red.; POKROVSKAYA, Z.S.
[Pokrovs'ka, Z.S.], red.; LISOVETS, O.M. [Lysovets', O.M.],
tekhn.red.

[Foraminifera and stratigraphy of Upper Cretaceous sediments
in the Dnieper-Donets Lowland] Foraminifery i stratygrafiia
verkhn'okreidovykh vidkladiiv Dniprovs'ko-Donets'koi zapadyny.
Kyiv, Vyd-vo Akad.nauk URSR, 1961. 64 p. 7 plates. (Akademiia
nauk URSR, Kiev, Instytut geologichnykh nauk. Trudy. Seriia
stratygrafii i paleontologii, no.35). (MIRA 15:8)
(Dnieper Donets Lowland--Geology, Stratigraphic)
(Dnieper Donets Lowland--Foraminifera, Fossil)

PEN'KOVSKIY, Vladimir Vladimirovich; SAMSONOV, G.V., otv. red.; TRESVIATSKIY, S.G., prof., doktor tekhn. nauk, otv. red.; POKROVSKAYA, Z.S., red.; YEFIMOVA, M.I., tekhn. red.

[Effect of radiation on metals and certain high-melting materials]
Deistvie oblucheniia na metally i nekotorye tugoplavkie materialy.
Kiev, Izd-vo Akad.nauk USSR, 1962. 182 p. (MIRA 15:7)

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(Materials, Effect of radiation on)

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YEREMENKO, V.N., otv. red.; FRANTSEVICH, I.N., red.; SAMSONOV,
G.V., red.; PISARENKO, G.S., red.; FEDORCHENKO, I.M.,
red.; TRESVYATSKIY, S.G., red.; IVASHCHENKO, Yu.N., red.;
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spetsial'nykh splaviv. Institut metallokeramiki i spe-
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OVCHARENKO, Fedor Danilovich; NICHIPORENKO, Sergey Petrovich;
KRUGLITSKIY, Nikolay Nikolayevich; TRETINNIK, Vikentiy
Yur'yevich; REBINDER, P.A., akademik, otv. red.;
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khimicheskoi mekhaniki dispersii glinistyykh mineralov.
Kiev, Naukova dumka, 1965. 177 p. (MIRA 18:2)

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DERKACH, Grigoriy Ilyarionovich; ZHMUROVA, Irina Nikolayevna;
KIRSANOV, Aleksandr Vasil'yevich; SHEVCHENKO, Veniamin
Isaakovich; SHCHADANEK, Alla Stanislavovna POKROVSKAYA,
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dumka, 1965. 283 p. (MIRA 18:8)

KLEYN, E. G., kand. med. nauk; POKROVSKAYA-LUR'YE, T. A. (Kiyev)

Calcareous nephrosis in gastric tetany. Klin. med. no.2:88-93
'62. (MIRA 15:4)

1. Iz kafedry patologicheskoy anatomii (zav. - zasluzhennyy
deyatel' nauki prof. Ye. I. Chayka) Kiyevskogo ordena Trudovogo
Krasnogo Znameni meditsinskogo instituta imeni A. A. Bogomol'tsa.

(STOMACH--DISEASES) (TETANY)
(KIDNEYS--CALCIFICATION)

L 28485-66 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6013126

SOURCE CODE: UR/0057/66/036/004/0704/0713

AUTHOR: Klyarfel'd, B.N.; Guseva, L.G.; Pokrovskaya-Soboleva, A.B.

ORG: All-Union Electrotechnical Institute im. V.I. Lenin, Moscow (Vsesoyuznyy elektrotekhnicheskiy institut)

TITLE: Glow discharge at low pressures and current densities up to 0.1 A/cm^2

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 4, 1966, 704-713

TOPIC TAGS: glow discharge, hydrogen, nitrogen, neon, argon, gas discharge, plasma,

ABSTRACT: Current-voltage characteristics of glow discharges between plane parallel electrodes in H_2 , N_2 , Ne, and Ar have been measured at voltages from 0.2 to 30 kV, currents from 10^{-9} to 10 A, and values of the pd product (pressure times electrode distance) corresponding to the left-hand branch, the minimum, and a portion of the right-hand branch of the Paschen curve. The diameter of the electrodes was always greater than the distance between them, and care was taken to assure purity of the gases and to avoid distortion of the curves due to thermal effects. The high current discharges were pulsed, the data being recorded on the fall of the pulse. Measurements at intermediate currents by both the pulse and continuous techniques gave concordant results. Many of the recorded current-voltage characteristics are presented graphically, and they are discussed at some length. Glow discharges are classified into three groups, for which there are proposed the following designations: Simple

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3
(or Simplest) Glow Discharge; Dense Glow Discharge; and Normal Glow Discharge. The simple glow discharges comprise the Townsend discharge; which is thus regarded as a kind of glow discharge, and the high voltage discharge; they are characterized by absence of space charge between the electrodes and a potential that is independent of the current over a very wide range. The dense glow discharges are characterized by increase of the voltage with increasing current, decrease of the voltage (at constant current) with increasing value of the pd product, and the presence beyond the cathode fall region of plasma, the potential of which is close to that of the anode and which exhibits a typical negative glow. In the normal glow discharge the potential is almost independent of the value of the pd product, the current density at the cathode is nearly independent of the current (and not proportional to it as in the simple and dense glow discharges), and a negative glow plasma fills only part of the inter-electrode region. As the current is increased at low pressures a simple glow discharge passes directly into a dense glow discharge; at higher pressures there is an intermediate range in which the glow discharge is normal. It is suggested that it may prove necessary to introduce further new terms to describe the still insufficiently investigated glow discharges for values of the pd product exceeding 100 mm Hg x cm. V.V. Vlasov, A.Ye. Kulikov, and A.T. Pavlova participated in the experimental work. Orig. art. has: 7 figures.

SUB CODE: 20

SUBM DATE: 16Jul65

ORIG. REF: 005

OTH REF: 008

Card 2/2 CC

POKROVSKAYA-SOBOLEVA, H. S.

AUTHOR: POKROVSKAYA-SOBOLEVA, H. S., KLYARFELD, S. N. 56-5-8/55
 TITLE: Ignition of a High-Voltage Discharge in Highly Diluted Hydrogen.
 (Zozhiganiye vysokovolt'noy formy razryada v vodorode pri
 bol'shikh razrezheniyakh, Russian)
 PERIODICAL: Zhurnal "ksperim. i Teoret. Fiziki, 1957, Vol 32, Nr 5,
 pp 993 - 1000 (U.S.S.R.)

ABSTRACT: The newly constructed discharge tube was available in two
 shapes: in one case the electrodes were firmly mounted, and in
 the other the distance between them could be varied from 4 to
 32 cm by moving one of the electrodes. The nickel electrodes
 had a diameter of 80 mm, so that the field forming between the
 electrodes was sufficiently homogeneous.

Before being used the polished electrodes were hardened in the
 vacuum by high frequency hardening.

The hydrogen pressure was regulated by means of the heating of
 titanium hydride which was embedded in the discharge tube. The
 well smoothed high voltage was supplied by a rectifier and could
 be regulated without steps from 0 - 40 kV. The high-voltage form
 of discharge which forms in the left part of the Paschen curve
 after ignition is distinguished by the fact that the voltage
 loss on the electrodes is independent of amperage. In particular,

Card 1/2

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S/056/62/042/002/019/05
B108/B104

26.2311

AUTHORS: Pokrovskaya-Soboleva, A. S., Klyarfel'd, B. N.
TITLE: Applicability of similarity law to ignition of a gas discharge in hydrogen
PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42, no. 2, 1962, 427 - 429

TEXT: The ignition potential of a gas discharge depends in different ways on the pressure p and the gap length d . In fact, a departure from the similarity law has been found for hydrogen in the range where $pd < (pd)_{\min}$. Experiments showed that these departures were equal for nickel, copper, and stainless steel electrodes, and that they did not vanish even when the gas pressure in the discharge gap was increased. A similar deviation from the similarity law was also found for deuterium. Reference is made to an earlier paper by the authors (ZhETF, 32, 933, 1957) as well as to a paper by L. G. Guseva (Trudy VEI, 63, 1, 17, 1958). There are 1 figure and 5 references: 2 Soviet and 3 non-Soviet. The references to the English-language publications read as follows: G. W. McClure. J. El. and Control., Card 1/2

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OVTSCHINNIKOVA, N.A.; PJASTOLOVA, O.A.

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with special reference to the problem of senescence in
mammals. Acta theriolog 8 no.1/16:11-43 '64.

1. Laboratory of Zoology of the Biological Institute in
Sverdlovsk of the Ural Branch of the Academy of Sciences
of the U.S.S.R.

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(Transportno Delo, Vol. 9, No. 2, 1957, Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl

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p. 5 (Aripile Patiei. Vol. 3, no. 10, Oct. 1957. Bucuresti, Rumania)

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February 1958

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SAURANBAYEV; MUKANOV; SMIRNOVA; DZHUMALIYEV; ISMAILOV; KHASNOV, K.;
NUSUNBEKOV; SULEYMENOV; SHAKHMATOV; DAKHSHLEYGER; BAZARBAYEV; TSUNVAZO;
SHAMIYEVA; SIL'CHENKO; GABDULLIN; MUSABAYEV; MAKHMUDOV; MULLINA;
MAMANOV; ISKAKOV; SARYBAYEV; KHAYDAROV; ARALBAYEV; NURMUGAMBETOVA;
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"Italia nel mondo," a periodical. Vnesh.torg. 43 no.4:54-55 '63.
(MIRA 16:4)

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POKROVSKIY, A.

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Short-term credit in Italy. Den. 1 kred. 20 no.7:77-84 JJ '62.
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JAMES, Emile; OLDAK, P.[translator]; POKROVSKIY, A.[translator];
BLYUMIN, I.G., red.

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Dump trucks for transporting agricultural products. Avt.transp. 32
no.2:7-9 P '54. (MLRA 7:6)
(Dump trucks)

POKROVSKIY, A., inzh.

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Avt.transp. 40 no.9:19-21 S '62. (MIRA 15:9)
(Gasoline) (Automobiles--Lubrication)

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(USDA Translation 5453)

SO: SIRA, SI 90-53, 15 December 1953

1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
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CA																			
An apparatus for (preparing) buffer mixtures. A. A. Pokrovskii, <i>Lab. Prakt.</i> (U. S. S. R.) 16, No. 5, 17-18 (1947). The app. consists of 2 Wulf containers (contg. KH_2PO_4 and Na_2HPO_4) which are connected to a mixing buret from which the mixts. are drawn to containers for the investigation. If buffer mixts. are required whose concn. is lower than that of the initial solns, some water (free from CO_2) is added to the mixing buret. The app. produced accurate mixts. and decreased the time for prep. buffer mixts. W. R. Henn																			
458-31A METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									

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POKROVSKIY, A.A., TROYANOVSKIY, V.M.

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4. Measuring instruments
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BUROV, V.A.; POKROVSKIY, A.A., redaktor.

[Extracurricular work in physics] Opyt vneklassnoi raboty po fizike. Pod red.
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(Physics--Study and teaching)

POKROVSKIY, A.A. (Moscow); ZVORYKIN, B.S. (Moscow).

Use of a suction plunger in the physics laboratory. *Fiz.v shkole* no.6:62-63
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POKROVSKIY, A.A. (Moskva); KUZ'MIN, A.P. (Moskva).

All-purpose projection apparatus. Fiz. v shkole 13 no.3:54-61 My-Je '53.
(MLRA 6:6)

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POKROVSKIY, A.A.; ZVORYKIN, B.S.; MIKHALKEVICH, T.V., redaktor; PETROVA,
M.D., tekhnicheskiiy redaktor

[Group laboratory experiments in secondary school physics; manual
for secondary school teachers] Frontal'nye zaniatiia po fizike v
srednei shkole, rukovodstvo dlia uchitelei srednei shkoly. Izd.
4-e, ispr. Moskva, Gos. uchebno-pedagogicheskoe izd-vo Ministerstva
prosveshcheniia RSFSR, 1954. 183 p. (MIRA 8:1)
(Physics--Study and teaching)

POKROVSKIY, A. A.

Demonstration experiments in physics for the grades 6-7 of secondary schools Moskva. Izd-vo Akad. pedagog. nauk RSFSR, 1954. 389 p. (55-30675)

QC33.P58

1. Physics - Experiments. I. Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut metodov obucheniia.

POKROVSKIY, A.A.

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KUZ'MIN, Aleksey Petrovich; POKROVSKIY, Aleksandr Andreyevich; MIKHAIKEVICH,
T.V., redaktor; DZHATIYEV, S.G., tekhnicheskiy redaktor

[Experiments in physics with projection apparatus; a manual for
teachers] Opyty po fizike s proektsionnoi apparaturoi; posobie dlia
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Ivan Mikhaylovich; MASLOV, L.S., red.; KREYS, I.G.,
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[Laboratory manual on physics in secondary schools; a
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posobie dlia uchitel'ia. [By] A.A. Pokrovskii i dr. Izd. 4.
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POKROVSKIY, Aleksandr Andreyevich; ZVORYKIN, Boris Sergeyevich; MIKHAIKEVICH,
I.V., redaktor; NIKOLAYEV, B.L., tekhnicheskii redaktor

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(Physics--Experiments)

POKROVSKIY, Aleksandr Andreyevich; GLAZYRIN, Aleksandr Ivanovich; DUBOV, Aleksandr Grigor'yevich; ZAVORYKIN, Boris Sergeyevich; SHURKHIN, Semen Abramovich; MIKHAIKEVICH, T.V., redaktor; DZHATIYEV, S.G., tekhnicheskiiy redaktor

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(Physics--Problems, exercises, etc.)

POKROVSKIY, A.A.

BELOGORSKAYA, N.I.; GALININ, D.D.; GORYACHKIN, Ye.N.; GLAZYRIN, A.I.; DUBOV, A.G.;
YEVROPIN, Yu.P.; YENOKHOVICH, A.S.; ZVORYKIN, B.S.; IVANOV, S.I.; KRAUKLIS,
V.V.; LAVROVSKIY, K.F.; MENSUTIN, N.F.; MINCHENKOV, Ye.Ya.; NABOKOV, M.Ye.;
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Concerning A.V.Samygin's article on the "Radioscopy in the presence
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no.5:96 S-O '56. (MLRA 10:1)

(X RAYS--APPARATUS AND SUPPLIES)

AUTHOR: Pokrovskiy, A.A. (Moscow)

47-6-12/37

TITLE: The Development of the System of Equipment for Physics Laboratories (Razrabotka sistemy oborudovaniya dlya fizicheskikh kabinetov)

PERIODICAL: Fizika v Shkole, 1957, # 6, pp 55 - 59 (USSR)

ABSTRACT: The author pictures the poor facilities existing before and after the revolution in the supply of school equipment for physics laboratories. In 1933, the Main Administration of Instructional-Technical Industry (Glavuchtekhprom) was organized, and for many years supported by the State Scientific-Research Institute of Schools of RSFSR Narkompros (Gosudarstvennyy nauchno-issledovatel'skiy institut shkol Narkomprosa RSFSR).

The author enumerates some of the articles produced before the beginning of World War II when production ceased almost entirely.

After the war development in this production took place in four stages described in the article.

The scientific-research work for the normalization of the equipment developed in connection with the creation of a model physical laboratory at the 315th School in Moscow in the In-

Card 1/2

POKROVSKIY, Aleksandr Andreyevich. Prinimali uchastiye: GLAZYRIN, A.I., nauchnyy sotrudnik; BUBOV, A.G., nauchnyy sotrudnik; ZVORYKIN, B.S., nauchnyy sotrudnik; SHURKHIN, S.A., nauchnyy sotrudnik; KUZ'MIN, A.P., glavnyy konstraktor; MIKHAILOVICH, T.V., red.; TSYPO, R.V., tekhn.red.

[Equipment of a physical laboratory; teacher's manual]
Oborudovanie fizicheskogo kabineta; posobie dlia uchitelia.
Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1958.
422 p. (MIRA 12:7)

1. Upravleniye uchebno-tekhnicheskoy promyshlennosti.
(Physical laboratories--Equipment and supplies)

ARTSYBYSHEV, N.A.; BELOGORSKAYA, N.I.; VINOGRADOVA, L.Yu.; GALANIN, D.D.;
GUR'YEVA, V.V.; ZVORYKIN, B.S.; ZORE, V.A.; LIVENTSEV, N.M.;
MENSHUTIN, N.F.; MINCHENKOV, Ye.Ya.; ~~POKROVSKIY, A.A.~~; REZNIKOV, L.I.;
SAKHAROV, D.I.; TIKHONOVA, Z.I.; KHLEBODAROV, S.F.; SHEYMAN, M.I.;
YUS'KOVICH, V.F.

Professor S.A. Artsybyshhev; obituary. Fiz. v shkole 18 no.1:95-96
Ja-F '58. (MIRA 11:1)
(Artsybyshhev, Sergei Aleksandrovich, 1887-1957)

POKROVSKIY, A.A., kand.pedagog.nauk, starshiy nauchnyy sotrudnik;
 BUROV, V.A., uchitel'; GLAZYRIN, A.I., starshiy nauchnyy sotrudnik,
 pensioner; DUBOV, A.G., starshiy nauchnyy sotrudnik; ZVORYKIN, B.S.,
 nauchnyy sotrudnik; KAMENETSKIY, S.Ye., uchitel'; KOSTIN, G.N., pre-
 podavatel'; MIRGORODSKIY, B.Yu., uchitel'; OREKHOV, V.P., prepoda-
 vatel'; ORLOV, P.P., prepodavatel'; RAZUMOVSKIY, V.G., aspirant;
 RUMYANTSEV, I.M., aspirant; TEREENT'YEV, M.M., prepodavatel';
 KHOLIYAPIN, V.G., prepodavatel'; SHAKHMAYEV, N.M., nauchnyy sotrudnik,
 uchitel'; VOYTEENKO, I.A., uchitel' sredney shkoly, pensioner; STA-
 ROSTIN, I.I., prepodavatel'; MOGILKO, A.D., aspirant; SEMAKIN, N.K.;
 KOPTIKOVA, L.A., red.; LAUT, V.G., tekhn.red.

[New school equipment for use in physics and astronomy] Novye
 shkol'nye pribory po fizike i astronomii. Pod red. A.A.Pokrovskogo.
 Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1959. 161 p. (MIRA 12:11)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut metodov
 obucheniya. 2. Laboratoriya metodiki fiziki Instituta metodov obucha-
 niya Akademii pedagogicheskikh nauk RSFSR (for Pokrovskiy). 3. Sred-
 nyaya zheleznodorozhnaya shkola st.Kratovo, Moskovskoy oblasti (for
 Burov). 4. Institut metodov obucheniya Akademii pedagogicheskikh nauk
 (for Glazyrin, Dubov, Razumovskiy, Rumyantsev).

(Continued on next card)

POKROVSKIY, A.A.---(continued) Card 2.

5. Institut metodov obucheniya Akademii pedagog.nauk; srednyaya shkola No.315 Moskv (for Zvorykin). 6. Srednyaya shkola No.212 Moskv (for Kamenetskiy). 7. Krasnodarskiy pedinstitut (for Kostin). 8. Srednyaya shkola No.18 g.Smy (for Mirgorodskiy); 9. Ryazanskiy pedinstitut (for Orekhov). 10. Stalingradskiy pedinstitut (for Orlov). 11. Moskovskiy gorodskoy pedinstitut; srednyaya shkola No.443 Moskv (for Terent'yev). 12. Balashevskiy pedinstitut (for Kholyapin). 13. Institut metodov obucheniya Akademii pedagog.nauk; srednyaya shkola No.215 Moskv (for Shakhmayev). 14. Moskovskiy pedinstitut im. V.I.Lenina (for Starostin). 15. Pedinstitut im. V.I.Lenina v Moskve (for Mogilko). 16. Zaveduyushchiy narodnoy astronomicheskoy observatoriyey Tsvortsa kul'tury Moskovskogo avtozavoda im. Likhacheva (for Semakin).

(Physical instruments)

22(1)

SOV/47-59-2-15/31

AUTHORS: Burov, V.A., Pokrovskiy, A.A. (Moscow)

TITLE: Demonstrational Experiments on the Photoelectric Effect
(Demonstratsionnyye opyty po fotoeffektu)

PERIODICAL: Fizika v shkole, 1959, ¹⁹Nr 2, pp 64-67 (USSR)

ABSTRACT: The authors describe an experiment demonstrating the photoelectric effect for which they use a shining zinc plate vertically fixed on the rod of an electrometer. A projector arc lamp is fastened about 50 cm from it to a stand. Between the electrometer and the arc, a stand holding a screen (a piece of cardboard) is placed. The shining side of the plate is turned towards the arc and charged negatively by an ebonite stick rubbed against fur. As soon as the electrometer needle has adjusted itself, and the students see that the plate is keeping the charge, the lamp is lit, the screen quickly removed, and the students then observe how the electrometer discharges and the zinc plate gradually loses the negative charge. The plate is then positively charged by a glass stick rubbed against leather. The charging is checked with the help of a charged ebonite stick. The screen

Card 1/2

SOV/47-59-2-15/31

Demonstrational Experiments on the Photoelectric Effect

is again removed, and it proves that the electrometer needle does not move irrespective of the length of irradiation. From these observations, the authors draw various conclusions in regard to the effect of light on a positively charged zinc plate, and the impossibility for the electrons to leave such a plate. The authors recommend producing the effect also on copper, lead and other plates as well as on non-metal bodies, such as carbon black. Using the above mentioned articles, the authors demonstrate to what extent the photoelectric effect depends on the condition of the surface of the body, on the intensity of the light flux and on the length of the light wave. There are 2 sets of diagrams.

Card 2/2

POKROVSKIY, A.A., starshiy nauchnyy sotrudnik; ZVORYKIN, B.S.; KUZ'MIN, A.P.; RUMYANTSEV, I.M.; TEREINT'YEV, M.M.; SHAKHMATEV, N.M.; DAVYDOVSKIY, G.P., red.; DZHMATYKHA, F.Kh., tekhn.red.; KORNEYEVA, V.I., tekhn.red.

[Demonstrative experiments on heat and molecular physics] Demonstratsionnye opyty po molekuliarnoi fizike i teplote; posobie dlia uchitelei. Pod red. A.A.Pokrovskogo. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1960. 169 p. (MIRA 13:5)
(Molecules) (Heat)

BUROV, V.A. (Moskva); POKROVSKIY, A.A. (Moskva)

School laboratory counter for ionizing particles. Fiz. v shkole 20
no.2:74-75 Mr-Apr '60. (MIRA 14:5)

(Cosmic rays)

(Geiger-Müller counters)

POKROVSKIY, A.A. (Moskva)

Equipment of a physics laboratory in an eight-year school. Fiz.
v shkole 20 no.4:61-66 J1-Ag '60. (MIRA 13:8)
(Physics--Study and teaching)

KUZ'MIN, A.P. (Moskva); POKROVSKIY, A.A. (Moskva)

Illuminator with mercury-quartz lamps. Fiz.v shkole 21
no.3:68-69 My-Je '61.

(Electric lighting, Mercury vapor)

(MIRA 14:8)

BELOGORSKAYA, N.I.; BLUDOV, M.I.; BRAVERMAN, E.M.; BULATOV, N.P.;
GALANIN, D.D.; GOL'DFARB, N.I.; YEVROPIN, G.P.; YEGOROV, A.L.
YENOKHOVICH, A.S.; ZVORYKIN, B.S.; IVANOV, S.I.; KAMNETSKIY, S.Ye.;
KRAUKLIS, V.V.; LISENKER, G.R.; MALOV, N.N.; MANOVETOVA, G.P.;
MENSHUTIN, N.F.; MINCHENKOV, Ye.Ya.; PERYSHKIN, A.V.; ~~POKROVSKIY, A.A.~~;
POPOV, P.I.; RAYEVA, A.F.; REZNIKOV, L.I.; SOKOLOV, I.I.; YUSKOVICH,
V.F.; ZVENCHIK, Z.Ye.

Dmitrii Ivanovich Sakharov; obituary. Fiz.v shkole 22 no.1:109-
110 Ja-F '62. (MIRA 15:3)

(Sakharov, Dmitrii Ivanovich, 1889-1961)

BELOGORSKAYA, N.I.; BLUDOV, M.I.; GALANIN, D.D.; YEVROPIN, G.P.;
POKROVSKIY, A.A.; POPOV, P.I.; ZVORYKIN, B.S.; IVANOV, S.I.;
KRAUKLIS, V.V.; MINCHENKOV, Ye.Ya.; PERYSHKIN, A.V.; REZNIKOV, L.I.;
SOKOLOV, I.I.; SUBOROV, N.P.; YUS'KOVICH, V.F.

Evgenii Nikolaevich; obituary: Fiz.v shkole 22 no.1:111 Ja-F
'62. (MIRA 15:3)

(Goriachkin, Evgenii Nikolaevich, 1895-1961)

KUCHER, Aleksandr Mikhaylovich, kand. tekhn. nauk; KIVATITSKIY, Mikhail Moiseyevich; POKROVSKIY, Antoniy Aleksandrovich; FEDOTENOK, A.A., doktor tekhn. nauk, retsenzent; TSYPKIN, M.Ye., inzh., retsenzent; SHAVLYUGA, N.I., kand. tekhn. nauk, red.; VARKOVETSKAYA, A.I., red. izd-va; LEYKINA, T.L., red. izd-va; KUREPINA, G.N., red. izd-va; SHCHETININA, L.V., tekhn. red.

[Machine tools; album of general design; kinematic diagrams and units] Metalloreshushchie stanki; al'bom obshchikh vidov, kinematicheskikh skhem i uzlov. Pod obshchei red. A.M. Kuchera. Moskva, Mashgiz, 1963. 282 p. (MIRA 16:7)
(Machine tools--Design and construction)